

### HindIII

TTCACACAGGAACAGAAATTCCTGGGGATCCGTGACCTGCAGCCCAAGCTT

SEQ ID NO: 180

TTTACATAGGAGGAAAAAaccatggGATCCG-----AAGCTT

NcoI

SEQ ID NO: 181

## Cloning Step 1

I	N	A	N	P	N	A	N	P	N	A	N	P	E	L	
A	ATT	AAC	GCT	AAT	CCG	AAC	GCT	AAT	CCG	AAC	GCT	AAT	CCG	GAG	CT
		TTG	CGA	TTA	GGC	TTT	CGA	TTA	GGC	TTT	CGA	TTA	GGC	C	

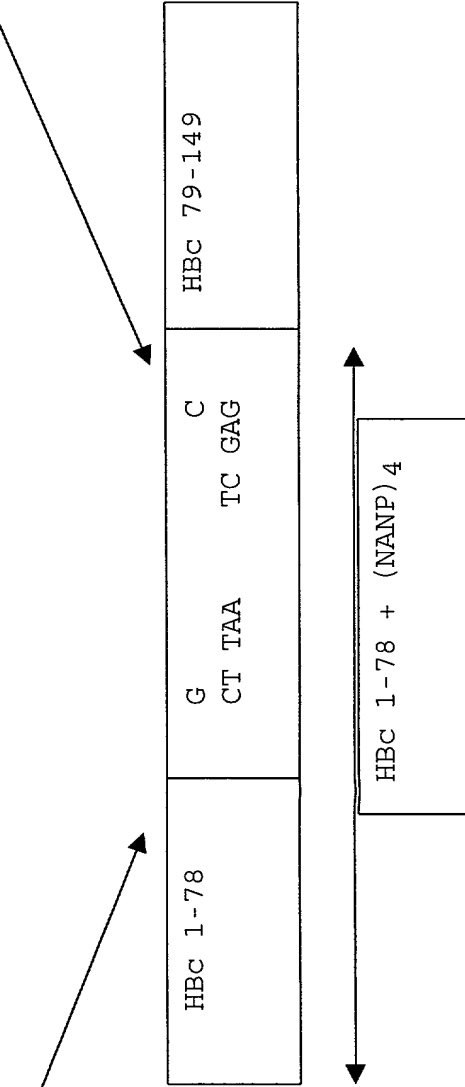


FIG. 2B

Cloning Step 2 -

I E Y L N K I Q N S L S T E W S P C S V T \*

A ATT GAA TAT CTG AAC AAA ATC CAG AAC TCT CTG TCC ACC GAA TGG TCT CCG TGC TCC GTT ACC TAA AAG CT

CTT ATA GAC TTG TTT TAG GTC TTG AGA GAC AGG TGG CTT ACC AGA GGC ACG AGG CAA TGG ATT T

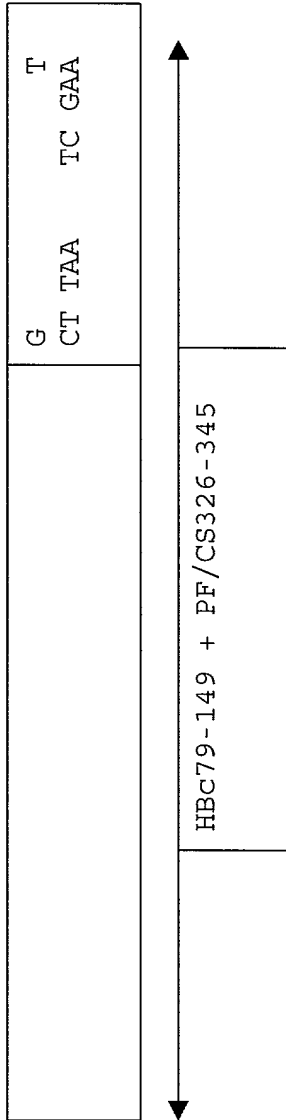
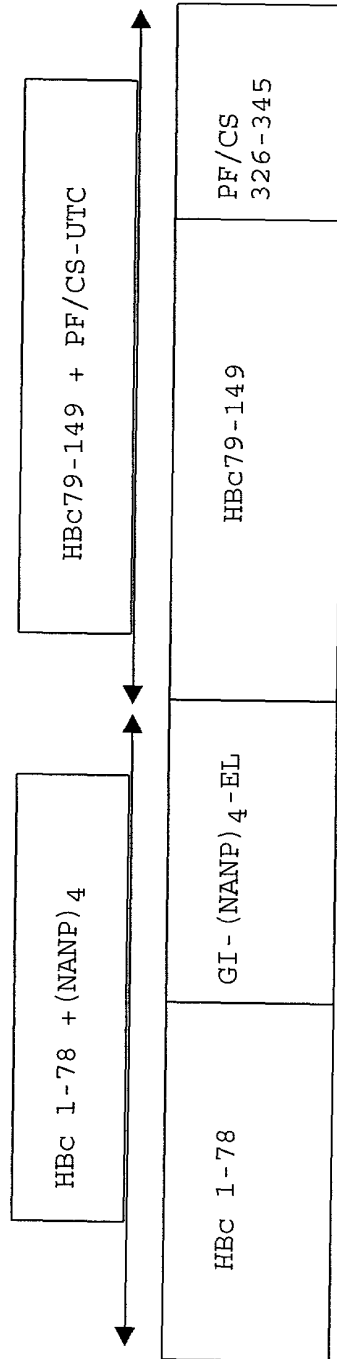
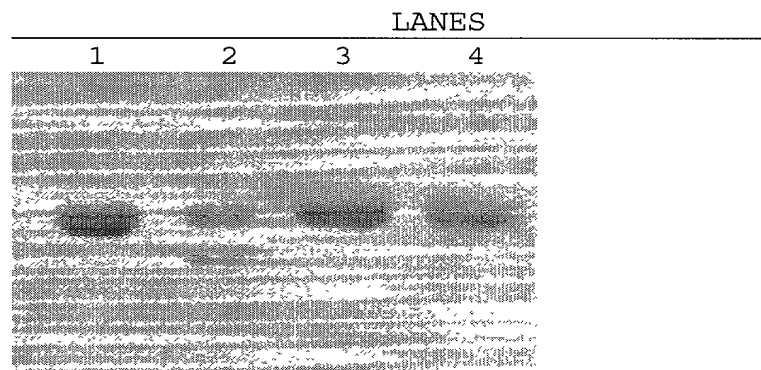


FIG. 2C

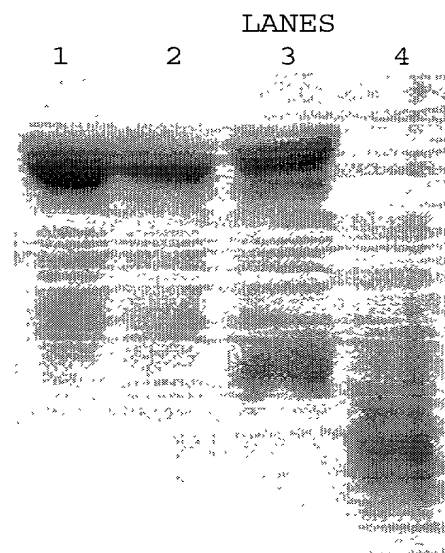
Cloning Step 3



**FIG. 3**



**FIG. 4**



**FIG. 5**

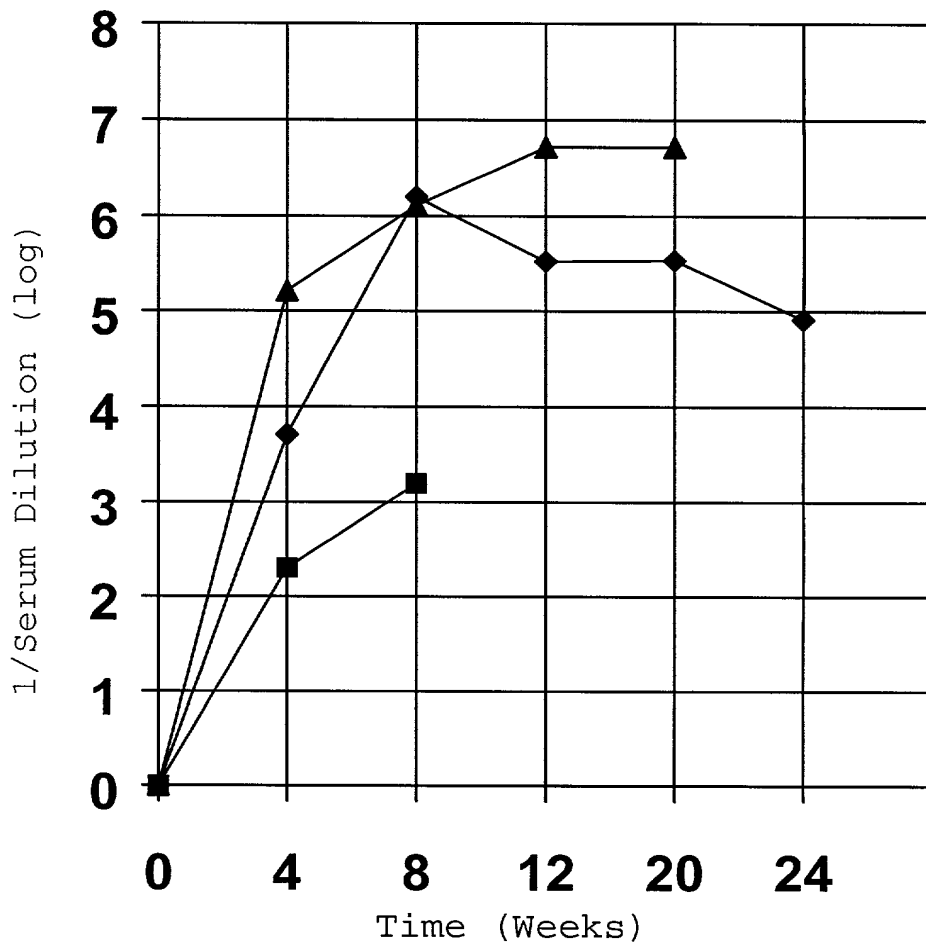


FIG. 6A

Ground Squirrel	mylfhlclvf acvpcptvqa sklclglwld
	1
HBC AYW	mdidykefg atvellsflp sdffpsvrdl ldtasalyre
HBC ADW	mdidykefg atvellsflp sdffpsvrdl ldtasalyre
HBC ADW2	mdidykefg atvellsflp sdffpsvrdl ldtasalyre
HBC ADYW	mdidykefg atvellsflp sdffpsvrdl ldtasalyrd
Woodchuck	mdidykefg ssyqllnflp ldffpdlnal vdtatalyee
Ground Squirrel	mdidykefg ssyqllnflp ldffpdlnal vdtasalyee
	41
HBC AYW	alespehcsp hhtalrqail cwgelmtlat wvgvnledpa
HBC ADW	alespehcsp hhtalrqail cwgelmtlat wvgnnlqdp
HBC ADW2	alespehcsp hhtalrqail cwgelmtlat wvgnnledpa
HBC ADYW	alespehcsp hhtalrqail cwgdmltlat wvgtnledpa
Woodchuck	eltgrehcsp hhtairqalv cwdeltklia wmsnitseq
Ground Squirrel	eltgrehcsp hhtairqalv cweeltrlit wmsentteev

**FIG. 6B**

81	HBC AYW	srdlvvsyvn	tnmglkfrql	lwfhiscltf	gretvieylv
	HBC ADW	srdlvvnyvn	tnmglkirql	lwfhiscltf	gretvleylv
	HBC ADW2	srdlvvnyvn	tnvglkirql	lwfhiscltf	gretvleylv
	HBC ADYW	srdlvvsyvn	tnvglkfrql	lwfhiscltf	gretvleylv
	Woodchuck	vrtiivnhvn	dtwglkvrqs	lwfhlsccltf	gqhtvqeflv
	Ground Squirrel	rriivdhvnn	twglkvrtql	wfhlsccltf	qhtvqeflvs
121	HBC AYW	sfgvwirtpp	ayrppnapil	stlpettvvr	rrgrsprrrt
	HBC ADW	sfgvwirtpp	ayrppnapil	stlpettvvr	rrdrgrsprr
	HBC ADW2	sfgvwirtpp	ayrppnapil	stlpettvvr	rrdrgrsprr
	HBC ADYW	sfgvwirtpp	ayrppnapil	stlpettvvr	rrgrsprrrt
	Woodchuck	sfgvwirtpa	pyrppnapil	stlpehtvir	rrggarasrs
	Ground Squirrel	fgvwirtpap	yrppnapils	tlpehtvirr	rggsraarsp
161	HBC AYW	psprrrrsqs	prrrrsqsre	sqc	
	HBC ADW	rtpsprrrrs	qsprrrsqs	resqc	
	HBC ADW2	rtpsprrrps	qsprrrsqs	resqc	
	HBC ADYW	psprrrrsqs	prrrrsqsre	sqc	
	Woodchuck	prrrtpsprr	rrsqsprrrr	sqc	
	Ground Squirrel	rrrrtpsprr	rsqsprrrrs	qspasnc	

**FIG. 7**

